



ShieldTek SECURITY

Protection for your
most valuable assets

ShieldTek BUILDING SECURITY GLASS

Defining
Spaces.



G.JAMES

FEATURES

- Solutions for a range of security applications
- Custom & standard options
- Locally manufactured

ShieldTek LS Light Security

A range of thin, lightweight laminated glass products, developed for low security glazing applications.

The unique makeup provides initial strength in addition to continued resistance to penetration even after one or both panels have been broken.

This makes ShieldTek LS well suited for watch houses, lock-ups, detention centres and police stations. It can also be used in applications such as banks, jewellery stores, museum and art gallery display cases, mental health facilities, ticket booths

and pay offices.

Customised to suit individual requirements, ShieldTek LS can be manufactured with clear, tinted or obscure components.

Coated or reflective glass can also be incorporated which can be used in observation panels.



ShieldTek PA Physical Attack

A glass clad polycarbonate laminate which combines the benefits of glass with the strength and toughness of polycarbonate.

The result is a range of thin, lightweight laminated glass products for use in high security applications which require resistance to prolonged physical attack from hammers, crowbars or bricks.

ShieldTek PA is ideal for use in prisons, detention and remand centres, police stations, banks, embassies, consulates and other high security applications.

ShieldTek PA can incorporate tinted, reflective or coated glass and be customised to suit specific requirements.



ShieldTek BR Bullet Resistant

A range of bullet resistant products specifically designed to resist penetration from a small hand gun to high-powered rifle or shotgun.

The range comprises a multi-ply laminate ranging in thickness from 23mm to 45mm and can incorporate tinted, coated or observation glass. ShieldTek BR can also be supplied as part of an entire system which includes a purpose built perimeter frame.

The actual glass thickness, configuration and frame type is totally dependent upon the nominated attack category which is correlates to a specific level of protection.

PERFORMANCE

Australian Standards AS/NZS 2343:1997 Bullet-resistant panels and elements, details requirements for bullet resistant panels and elements in preventing penetration by projectiles discharged from firearms.



This Standard defines three broad attack categories:

- 'G' – Resistant to hand gun attack
- 'S' – Resistant to shotgun attack
- 'R' – Resistant to rifle attack

ShieldTek BR products have been tested in accordance with this standard at a NATA certified laboratory. The classification, weapon type and other various parameters are outlined on the following page. In the event of an attack, ShieldTek BR will

maintain a protective barrier and retain a degree of visibility (except around the area of bullet impact).

The strength and appearance of ShieldTek BR is unaffected by exposure to sunlight therefore it can be used in external* or internal applications such as banks, prisons, armoured vehicles, embassies, police stations, airports, public buildings, pay offices, ticket booths and special defence vehicles.



* Thermal safety assessment recommended

GJ ShieldTek SECURITY

GJ ShieldTek products have been installed in a variety of safety and security sensitive applications throughout Australia and overseas.

APPLICATIONS

- Security Windows & Doors
- Armoured Vehicles

HOW TO SPECIFY

- **Select**
ShieldTek LS
ShieldTek PA
ShieldTek BR
- **Product configuration**
Glass colour / type
Interlayer colour
- **Size**
- **Performance Rating**

GJ SHIELDTEK LS

PRODUCT	PERFORMANCE CHARACTERISTICS		
	Thickness	Min Size (mm)	Max Size (mm)
PS6H26H	14.28 mm	100 X 400	1400 X 2500
PS10H310T	23.04 mm	100 X 400	1400 X 2500
PS5H25H	12.28 mm	100 X 400	1400 X 2500

Manufactured in accordance with AS/NZS 2208

GJ SHIELDTEK PA

PRODUCT	PERFORMANCE CHARACTERISTICS		
	Thickness	Min Size (mm)	Max Size (mm)
PA4H3P4H	12.26 mm	100 x 400	1100 x 2200
PA6H4P6H	17.76 mm	100 x 400	1100 x 2200
PA6H6P6H	19.26 mm	100 x 400	1100 x 2200
PA6H6P6H	22.76 mm	100 x 400	1100 x 2200

PA6H4P6H 17.76 mm complies with the requirements of AS/NZS 3555, Intruder Resistant for Level 1, 10min.

GJ SHIELDTEK BR

LEVEL	WEAPON & CALIBRE	AMMUNITION	RANGE	NUMBER OF STRIKES	THICKNESS (mm)	WEIGHT (Kg/m ²)
G0	Handgun	Mk 2Z standard	3 m	3	35 all glass	82
	9 mm Military	9 mm 7.4g metal case bullet				
G1	Handgun	10.2g soft point semi-jacketed, flat nose	3 m	3	32	70
G2	Handgun	15.6g soft point semi-jacketed, flat nose	3 m	3	34	73
S0	Shotgun	12 Gauge	3 m	2	34	73
		12 Gauge				
S1	Shotgun	12 Gauge 70 mm 28. 35g single slug	3 m	2	38	86
R1	Rifle	M 193 5.56 mm 3.6g full metal case bullet	10 m	3	38	86
R2	Rifle	NATO Standard 7.62 mm 9.3g full metal case	10 m	3	45	98

This table sets out the GJ ShieldTek BR products which have been tested in accordance with the various levels of the Australian Standard AS/NZS 2343:1997.

To the best of our knowledge, the data presented in this table is accurate and true. However, the G.James Group of Companies disclaim any liability for loss or damage arising from the use of such data.



Quality
ISO 9001



G.JAMES

FREECALL 1800 452 637

Glass Products

gjames.com

Queensland
1007 Kingsford Smith Dr,
Eagle Farm QLD 4009

New South Wales
26 Long Street
Smithfield NSW 2164

Victoria
217 Rex Road,
Campbellfield VIC 3061

Other G.James Branches: (Qld) Eagle Farm, Logan City, Capalaba, Narangba, Ipswich, Gold Coast, Toowoomba, Sunshine Coast, Gympie, Hervey Bay, Bundaberg, Gladstone, Rockhampton, Mackay, Townsville & Cairns; (NSW) Sydney, Lismore, Newcastle, Taree & Queanbeyan; (SA) Adelaide; (NT) Darwin; (WA) Perth.
© 2016 G.James Glass & Aluminium. All rights reserved. The trademarks G.James, hexagon forming GJ and DEFINING SPACES are trademarks of G.James Pty. Ltd. ISO 9001:2008 Quality system in place at 1, Old Gympie Road, Narangba, QLD, 4504 2. Shed 23, Schneider Road, Eagle Farm, QLD, 4009 for G.James Safety Glass Pty Ltd [ABN 55010828065]

GJGA2142016SHIELDTEK_SECURITY